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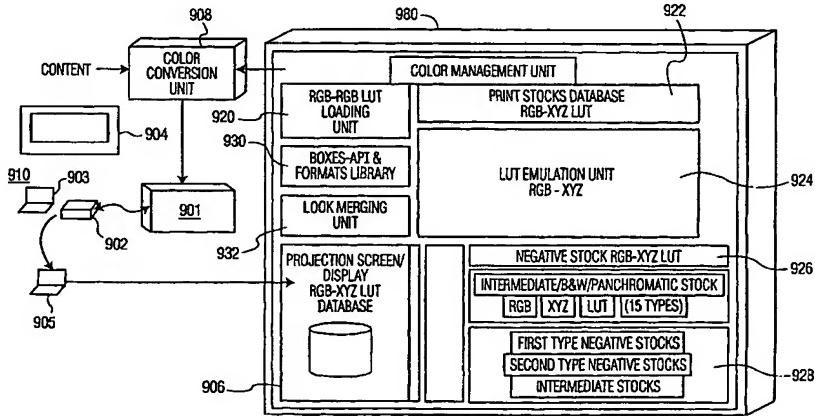
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(54) Title: METHOD AND SYSTEM FOR COLOR CORRECTION OF DIGITAL IMAGE DATA



(57) Abstract: What is proposed is a method for the color correction of digital image data generated by spectral absorption of white light in color filters of a first representation means. Color film material, in particular, is taken into consideration as the first representation means. For this purpose, firstly the primary color values R, G, B of the image data on the color film are detected. Said primary color values R, G, B are corrected in order to generate secondary color values R', G', B' which are related to a second representation means, for example a monitor. This correction involves taking account of the absorption of light in secondary densities of the colorants of the film material which form the color filters of the first representation means. For this purpose, a plurality of absorption spectra are generated for different densities of the colorants. Finally, the spectral profile of the absorption spectra of the colorants influences the correction of the primary color values for generating the secondary color values. This follows the aim of achieving a maximum correspondence between the color representation with the first representation means and the color representation with the second representation means.

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